



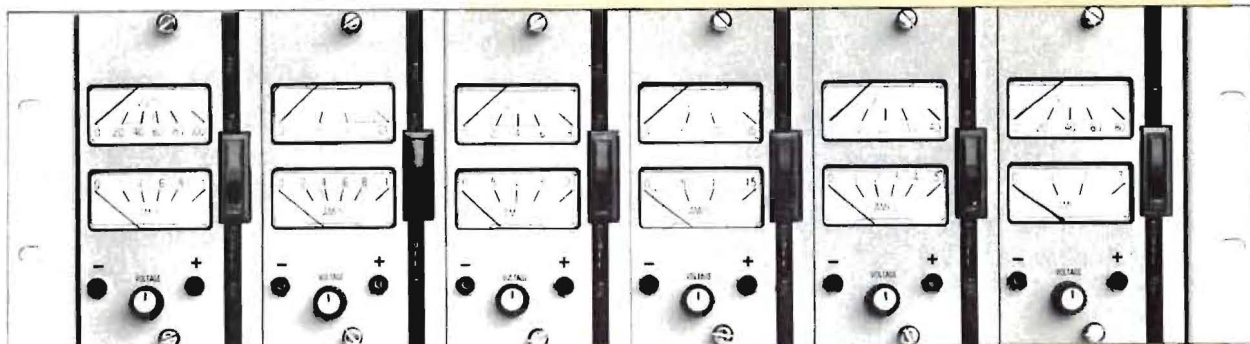
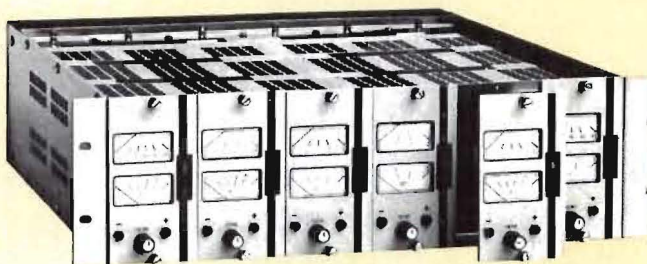
# KEPCO

## PBX-MAT

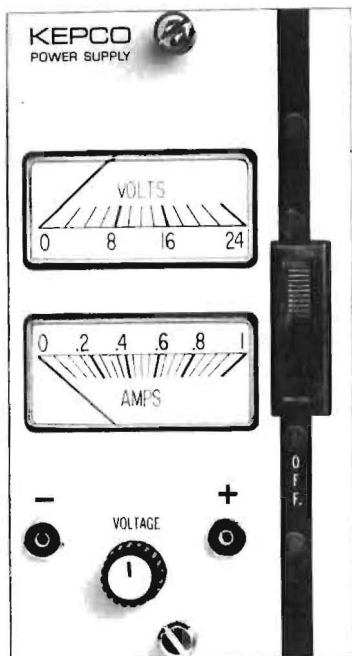
MODULAR

# POWER SUPPLIES

# NEW KEPCO PRODUCTS *for '67*



The MAT attachment to Kepco's PBX models provides **meters** (two, for voltage and current); **adjustment**, (a multitrack voltage control); and **terminals** (pin jacks).



MODEL	DC OUTPUT RANGE		MAX. INPUT AMPS at 125V AC	PRICE
	VOLTS	AMPS		
PBX 7-2MAT	0-7	0-2	0.50	\$160.00
PBX 15-1.5MAT	0-15	0-1.5	0.65	160.00
PBX 21-1MAT	0-21	0-1	0.45	160.00
PBX 40-0.5MAT	0-40	0-0.5	0.40	160.00
PBX 72-0.3MAT	0-72	0-0.3	0.45	160.00
PBX 100-0.2MAT	0-100	0-0.2	0.45	160.00

**SPECIFICATIONS:** Same as for regular PBX Models; see Kepco Catalog B-663.

**CASES:** CA-3-Single slot housing w/plug board . . . \$18.00  
CA-4-Double slot housing w/plug board . . . 24.00  
CA-5-Triple slot housing w/plug board . . . 30.00

**RACK CABINET:**

RA 22-6-Six slot housing w/o plug board\* \$30.00  
RFP 22-1-Single filler panel for RA 22-6 5.00  
RFP 22-2-Double filler panel for RA 22-6 5.00  
RFP 22-3-Triple filler panel for RA 22-6 5.00  
BPA-22-Blank panel assy. w/slide plate 10.00  
PC-2-Plug-in adapter . . . . . 8.00

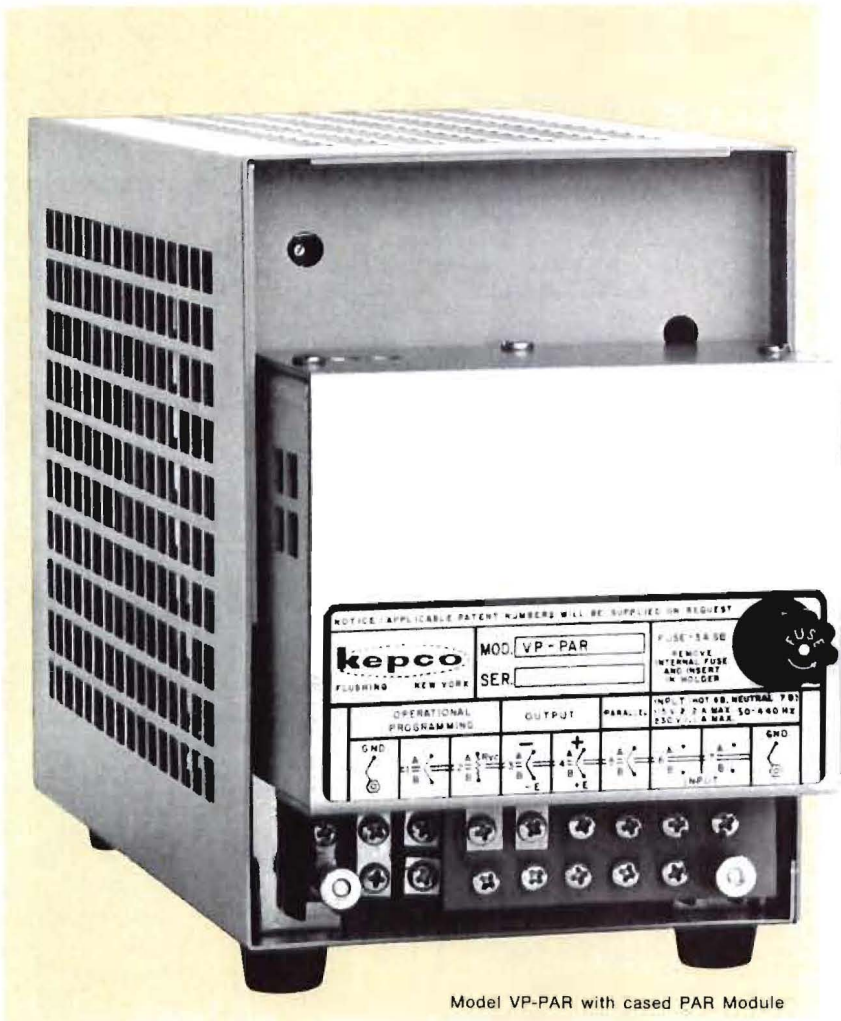
\*For plug-in convenience in the RA-22-6, use (1) PC-2 per slot).

Data subject to change without notice  
PATENT NOTICE: Applicable Patent Nos will be supplied on request.

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Model VP-PAR with cased PAR Module



# KEPCO

## OVERVOLTAGE PROTECTORS

Independently powered overvoltage crowbar prevents the output voltage from exceeding a preset voltage under any failure condition. The crowbar shorts the output through a Silicon Controlled Rectifier (SCR).

MODELS	USE WITH	PRICE**
VP-PAR	ALL KEPSCO PAR MODELS, 3-80V DC	\$65.00
VP-PWR	ALL KEPSCO PWR MODELS, 3-80 V DC	65.00
VP-PX-1	KEPCO PAX & PBX MODELS, 3-80V DC	65.00
VP-PX-2	KEPCO PAX & PBX MODELS, 3-160V DC	65.00

\*\*Power supplies may be ordered with the overvoltage protector factory installed. Charges are \$25.00 each for 1 thru 11, \$10.00 each for 12 thru 23, and \$3.00 each for 24 or more.

**SPECIFICATIONS:**

**OPERATING LEVEL:**

The trigger point may be set to within 5% or 0.25V\* of power supply setting.

**TEMPERATURE COEFFICIENT:**

0.1% or 0.1V\* per °C.

\*whichever is greater

**REMOTE ERROR SENSING:**

Compensates up to 1 volt per output lead.

**TRIGGERING TIME, (adjustable delay):**

RANGE OF ADJUSTMENT	AMOUNT OF OVERVOLTAGE
10 to 30 microseconds	20% or 1 volt
20 to 60 microseconds	10% or 0.5 volt
40 to 120 microseconds	5% or 0.25 volt

All terms used in the specifications are defined in the Kepco Glossary. Refer to Kepco's Catalog or Handbook.



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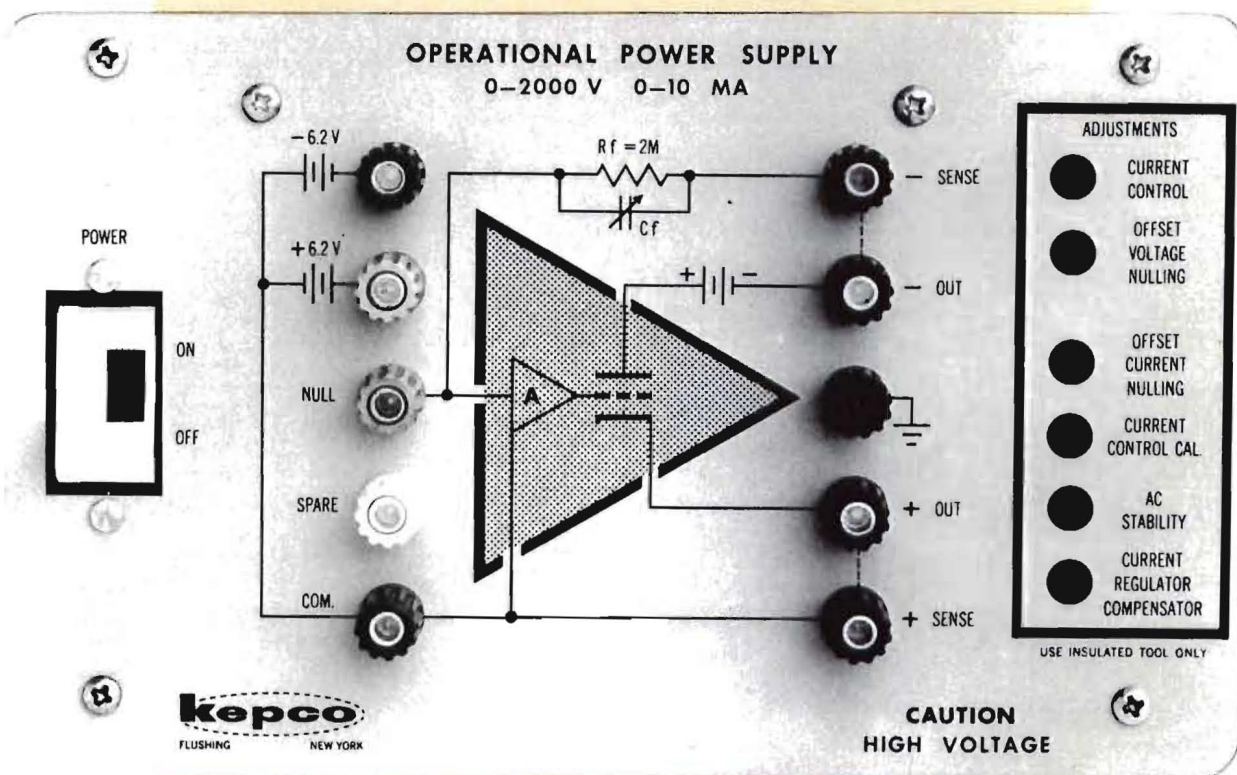
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# KEPCO

## HIGH VOLTAGE OPERATIONAL POWER SUPPLIES



### MODEL OPS 2000 - 0-2000V / 0-10mA

SPECIFICATION	OFFSET VOLTAGE ( $\Delta E_{io}$ )*	OFFSET CURRENT ( $\Delta I_{io}$ )*
LINE: (105-125V AC)	< 100 microvolts	< 10 nanoamperes
LOAD: No load/full load	< 1 millivolt	< 10 nanoamperes
TIME: (8 hr.) (Stability)	< 10 microvolts	< 50 nanoamperes
TEMP.: Per °C (Coefficient)	< 50 microvolts	< 50 nanoamperes

\* $E_{io}$  is the offset voltage,  $I_{io}$  is the offset current referred to the input of the voltage comparison amplifier.

**OUTPUT:** 0-2000V DC, 0-10 milliamperes

**SLEWING RATE:** 500,000 volts per second.

**DC VOLTAGE GAIN:** 80 db.

**RIPPLE:** 80 db below peak output or 3 millivolts.\*

**TRANSIENT RESPONSE:**

**Voltage Mode (for step load current):** Recovery is an exponential with 50 microsecond time constant.

**Current Mode (for step load voltage):** Recovery is at the rate of 0.5 volts per microsecond.

**DIMENSIONS:** OPS-2000 shares most of the specifications of the Kepco OPS Group, except size, which is 5¼"H x 8½"W x 13¼"D (behind panel).

**FINISH:** Panel: Per FED. STD 595. Color 26440, light gray.

Case: Gray hammertone. Rack adapters available.

**PRICE:** \$350.00

\*whichever is greater

All terms used in the specifications are defined in the Kepco Glossary. Refer to Kepco's Catalog or Handbook.

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